



L Number	Hits		DB	Time stamp
-	736		USPAT;	2004/06/21 18:17
		(averag\$4 near4 (peak or max\$5))	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	725	382/274.ccls. (reference near4 white) with	USPAT;	2004/06/21 18:17
	,,,,	(averag\$4 near4 (peak or max\$5)) with	US-PGPUB;	2004/00/21 10.1/
		roller	·	
		roller	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	724	,	USPAT;	2004/06/21 18:19
		(averag\$4 near4 (peak or max\$5)) with	US-PGPUB;	
		roller with block	EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	0 1	382/274.ccls. and (reference near4 white)	USPAT;	2004/06/21 18:19
		with (averag\$4 near4 (peak or max\$5)) with	US-PGPUB;	
		roller with block	EPO; JPO;	
		TOTICE WICH DIOCK	DERWENT;	
			IBM TDB	
	1	382/274.ccls. and (reference near4 white)	USPAT;	2004/06/22 18:41
-	1			2004/06/23 18:41
		<pre>with (averag\$4 near4 (peak or max\$5))</pre>	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	25	382/274.ccls. and scan\$4 with (roller or	USPAT;	2004/06/21 18:34
		spool)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
1_	م ا	382/274.ccls. and scan\$4 with (roller or	USPAT;	2004/06/21 18:35
-	١			2004/06/21 18:33
		spool)with average	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	1	(reference near4 white) with (averag\$4	USPAT;	2004/06/23 18:34
		near4 (peak or max\$5)) with roller	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	1	(reference near4 white) with (averag\$4	USPAT;	2004/06/23 18:34
		near4 (peak or max\$5)) with (roller or	US-PGPUB;	
		spool)	EPO; JPO;	
		Spoot	DERWENT;	
			IBM TDB	
1_	1	(reference near4 white) with (averag\$4	_	2004/06/23 18:35
_			USPAT;	2004/00/23 10:35
		near4 (peak or max\$5)) with (roller or	US-PGPUB;	
		spool or drum)	EPO; JPO;	
			DERWENT;	
		[,	IBM_TDB	0004465455
-	1	(reference near4 white) with (averag\$4	USPAT;	2004/06/23 18:36
		near4 (peak or max\$5)) with (roller or	US-PGPUB;	·
		spool or drum or reel or cylinder)	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	13011	scan\$4 with roller	USPAT;	2004/06/23 18:36
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	22	genéd with molling with the 2004	IBM_TDB	2004/05/24 12 55
-	30	scan\$4 with roller with shad\$4	USPAT;	2004/06/24 18:26
1			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB -	
-	13	(reference near4 white) with (averag\$4	USPAT;	2004/06/23 18:41
1		near4 (peak or max\$5))	US-PGPUB;	
		,	EPO; JPO;	
			DERWENT;	
			IBM TDB	
L	L	<u> </u>	TOU IND	<u> </u>

	7	("4523229" "4550435" "4760464" "4829379" "4903145" "4916549" "4972502").PN.	USPAT	2004/06/23 18:47
-	115	scan\$4 with roller with white	USPAT; US-PGPUB;	2004/06/24 18:27
-	6	scan\$4 with roller with white with shad\$4	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 18:45
-	134	scan\$4 with roller with (depression or groove)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 18:47
-	64	scan\$4 with (roller near4 (depression or groove))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/06/24 19:03
	,	5.60.65.00 LID DNI	IBM_TDB	2004/06/24 10 57
-	6	5606509.URPN. ("4126027" "4137487" "4653153" "4691547" "5010494" "5181408").PN.	USPAT USPAT	2004/06/24 18:57 2004/06/24 18:57
-	0	scan\$4 with (roller near4 (eccentricty))	USPAT;	2004/06/24 19:03
_	0	scan\$4 with (roller with (eccentricty))	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/06/24 19:04
_	0	scan\$4 same (roller with (eccentricty))	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 19:04
-	14	scan\$4 with (roller near4 (eccentricity))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 19:12
-	3	scan\$4 with (roller near4 (circularity))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 19:14
-	99	scan\$4 with (roller near4 (reference))	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 19:20
_	8	scan\$4 with (roller near4 (reference) near4 white)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 19:17
-	27	scan\$4 and (roller near4 (reference) near4 white)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/24 19:20
	62	(roller near4 (reference) near4 white)	DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/24 19:20

-	9735	(roller near4 (reference))	USPAT; US-PGPUB; EPO; JPO;	2004/06/24 19:20
_	196	(roller near4 (reference)) with correct\$4	DERWENT; IBM_TDB USPAT; US-PGPUB;	2004/06/24 19:21
_	17	(roller near4 (reference)) with (shad\$4	EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/24 19:26
		near4 correct\$4)	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
-	1251	(roller near4 (reference)) with surface	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 13:58
	23	<pre>(roller near4 (reference)) with surface with correct\$4</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 11:35
-		6505555.URPN. ("2859691" "4125073" "4648318" "4738200" "5038680" "5351615").PN.	USPAT USPAT	2004/06/24 19:35 2004/06/24 19:35
_	13	5351615.URPN.	USPAT	2004/06/24 19:37
_	11	<pre>(roller near4 (reference)) with (impression or indentation)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/06/25 11:37
-	172	(roller near4 (reference)) with (impression or indentation or hollow or impress or mark or mold or dent or depression or depress)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 12:09
_	51	(roller near4 (reference)) with radius	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 12:09
_	652	<pre>(roller near4 (reference)) with (radius or perpendicular or orthogonal or angle or diameter)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 12:10
_	18	(roller near4 (reference)) with (radius or perpendicular or orthogonal or angle or diameter) with correct\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 13:07
-	11	(roller near4 (reference)) with (axis) with correct\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 13:09
-	1843	inoue near4 y	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 13:09
-	0	inoue near4 yosh	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/25 13:10
	1	I	<u> </u>	L

			_	
_	15	inoue with roller	USPAT;	2004/06/25 13:19
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	18	399/280.ccls.	USPAT;	2004/06/25 13:36
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	190	399/279.ccls.	USPĀT;	2004/06/25 13:36
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	24	399/279.ccls. and correct\$4	USPAT;	2004/06/25 13:36
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	6		USPĀT	2004/06/25 13:47
-	6		USPAT	2004/06/25 13:48
_	441	"4791882" "4883017" "4907032").PN.	USPAT;	2004/06/25 13:58
		550, 101.0015.	US-PGPUB;	2003,00,20 10.00
			EPO; JPO;	
			DERWENT;	
	95	358/461.ccls. and roller	IBM_TDB USPAT;	2004/06/25 13:58
-	93	330/401.CC15. and lollel	US-PGPUB;	2004/00/23 13.38
			EPO; JPO;	
			DERWENT;	
	120	358/461.ccls. and (roller or spool or	IBM_TDB USPAT;	2004/06/25 13:58
-	120	drum)	US-PGPUB;	2004/00/25 15.50
			EPO; JPO;	
			DERWENT;	
_	22	358/461.ccls. and ((roller or spool or	IBM_TDB USPAT;	2004/06/25 14:14
		drum) with (white))	US-PGPUB;	2001/00/20 11.11
			EPO; JPO;	
			DERWENT;	
_	5767	kusumoto	IBM_TDB USPAT;	2004/06/25 14:14
] 3,0,	, and all the control of the control	US-PGPUB;	2001/00/25 11.11
			EPO; JPO;	
			DERWENT;	
_	224	kusumoto and groove	IBM_TDB USPAT;	2004/06/25 14:14
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	78	kusumoto and groove and image	IBM_TDB USPAT;	2004/06/25 14:15
1	"	Augumoco una groove ana image	US-PGPUB;	2001,00,20 14.15
			EPO; JPO;	
			DERWENT;	
_	24	kusumoto and groove and image and document	IBM_TDB USPAT;	2004/06/25 14:33
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	138	roller with slot with correct\$4	IBM_TDB USPAT;	2004/06/25 14:33
		101101 11011 0100 11101 001100071	US-PGPUB;	
			EPO; JPO;	- · · · - ·
_		·	DERWENT;	
L]		IBM_TDB_	l l

_	7	roller with slot with correct\$4 with	USPAT;	2004/06/25 14:42
		(document or sheet)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	69516	roller with peripher\$4	USPAT;	2004/06/25 14:43
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	520	(roller with peripher\$4) with correct\$4	USPAT;	2004/06/25 20:39
1			US-PGPUB;	
			EPO; JPO;	
]			DERWENT;	1
	107	(roller with peripher\$4) with correct\$4	IBM_TDB USPAT;	2004/06/25 15:02
] -	10/	with (sheet or document)	US-PGPUB;	2004/06/25 15:02
		with (sheet of document)	EPO; JPO;	
			DERWENT;	
			IBM TDB	1
_	5	(cam with peripher\$4) with correct\$4 with	USPAT;	2004/06/25 15:07
		(sheet or document)	US-PGPUB;	2001,00,20 23.0.
		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO;	
			DERWENT;	
[IBM TDB	
_ :	2	6217143.pn.	USPAT;	2004/06/25 15:09
			US-PGPUB;	
1			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	2	6075623.pn.	USPAT;	2004/06/25 15:11
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_	6205140	IBM_TDB	2004/06/25 16:40
_	2	6295140.pn.	USPAT;	2004/06/25 16:40
			US-PGPUB; EPO; JPO;	
			DERWENT;	[
			IBM TDB	
_	2	5062144.pn.	USPAT;	2004/06/25 16:56
	-		US-PGPUB;	= = = = = = = = = = = = = = = = = = =
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	47	average with correct\$4 with roller	USPAT;	2004/06/25 17:00
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		6017140	IBM_TDB	0004/65/55
-	2	6217143.pn.	USPAT;	2004/06/25 19:36
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	486	(moving or displaced) with average with	USPAT;	2004/06/25 17:44
]	100	correct\$4	US-PGPUB;	2007/00/23 17:44
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	30	(moving or displaced) with average with	USPAT;	2004/06/25 17:33
		correct\$4 with line	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	0004/05/55
	469	(moving) with average with correct\$4	USPAT;	2004/06/25 17:44
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
L	L		IBM TDB	<u> </u>

_	16	(moving) with average with correct\$4 with shift\$4	USPAT; US-PGPUB;	2004/06/25 17:50
			EPO; JPO; DERWENT; IBM TDB	
-	357	(moving)near4 average with correct\$4	USPAT; US-PGPUB;	2004/06/25 17:50
			EPO; JPO; DERWENT; IBM_TDB	
-	36	<pre>(moving)near4 average with correct\$4 with (document or image)</pre>	USPAT; US-PGPUB; EPO; JPO;	2004/06/25 18:30
_	2	5253083.pn.	DERWENT; IBM_TDB USPAT;	2004/06/25 17:53
			US-PGPUB; EPO; JPO; DERWENT;	
_	1	roller with fration\$4	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2004/06/25 18:31
_	1811	roller with fraction\$4	DERWENT; IBM_TDB USPAT;	2004/06/25 18:31
			US-PGPUB; EPO; JPO; DERWENT;	2003, 00, 20 20001
-	67	roller with fraction\$4 with (round or turn)	IBM_TDB USPAT; US-PGPUB;	2004/06/25 18:31
	3	roller with fraction\$4 with (round or	EPO; JPO; DERWENT; IBM_TDB USPAT;	2004/06/25 18:35
		turn) with (document or image or scan\$5 or read\$4)	US-PGPUB; EPO; JPO; DERWENT;	2004/00/23 10:33
-	263	roller with shad\$4 with (document or image or scan\$5 or read\$4)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/06/25 18:35
-	61	roller with shad\$4 with (document or image or scan\$5 or read\$4) with white	IBM_TDB USPAT; US-PGPUB;	2004/06/25 18:48
	105		EPO; JPO; DERWENT; IBM TDB	
-	105	roller with shad\$4 with (blocks or region or range)	USPAT; US-PGPUB; EPO; JPO;	2004/06/25 18:48
-	9	roller with shad\$4 with (blocks or region or range) with line	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/06/25 18:49
_	2	6217143.URPN.	IBM_TDB USPAT	2004/06/25 18:53
-	2	6217143.URPN.	USPAT	2004/06/25 18:53
_	4	("4686540" "4972270" "4975780" "5910811").PN.	USPAT	2004/06/25 18:54
	_ 2	5910811.URPN. 6527463.URPN:	USPAT USPAT	2004/06/25 18:56 2004/06/25 18:57
-	9	("4792249" "5329301" "5462373" "5813782" "5816720" "5910811"	USPAT	2004/06/25 18:57
	2	"6270071" "6273415" "6340155").PN. 6217143.URPN.	USPAT	2004/06/25 18:59

-	10	("3603585" "4208666" "4453841"	USPAT	2004/06/25 18:59
		"4463359" "4631596" "4813351"		•
		"4916638" "5526107" "6217143"		
		"6260947").PN.		
-	12	5062144.URPN.	USPAT	2004/06/25 19:15
-	4	("4686540" "4972270" "4975780"	USPAT	2004/06/25 19:22
	١ .	"5910811").PN.		0004/06/05 10 00
-	4	("4686540" "4972270" "4975780"	USPAT	2004/06/25 19:23
	2	"5910811").PN. 6217143.URPN.	USPAT	2004/06/25 19:24
_	4	6217143.0RFN. ("4686540" "4972270" "4975780"	USPAT	2004/06/25 19:24
_	1	"5910811").PN.	USFAI	2004/00/25 19.24
_	12	5062144.URPN.	USPAT	2004/06/25 19:24
_	5	5371613.URPN.	USPAT	2004/06/25 19:25
_		("4807045" "4888492" "4985760"	USPAT	2004/06/25 19:26
		"5001768" "5062144" "5245383"		
		"5253083").PN.		
-	19004	fraction\$4 with feed\$4	USPAT;	2004/06/25 19:36
			US-PGPUB;	
			EPO; JPO;	
ĺ			DERWENT;	
	0.604	5 1 4 5 104	IBM_TDB	0004/06/05 40 05
_	8624	fraction\$4 near4 feed\$4	USPAT; US-PGPUB;	2004/06/25 19:37
			EPO; JPO; DERWENT;	
			IBM TDB	
_	30	(fraction\$4 near4 feed\$4) with roller	USPAT;	2004/06/25 19:42
		(liuction) incura recupity with roller	US-PGPUB;	2004/00/23 13.42
			EPO; JPO;	
			DERWENT;	
:			IBM TDB	
-	299	347/16.ccls.	USPAT;	2004/06/25 19:42
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	208	347/16.ccls. and roller	USPAT;	2004/06/25 19:42
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	5	("5614931" "6086185" "6142604"	USPAT	2004/06/25 20:20
		"6158834" "6296340").PN.	"""	2001,00,20 20.20
-	3	("4475128" "6149327" "6378977").PN.	USPAT	2004/06/25 20:21
-	79	(shading near4 correct\$4) with roller	USPAT;	2004/06/25 20:53
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	106070	, mataka	IBM_TDB	2004/06/25 22 5:
-	106272	yutaka	USPAT;	2004/06/25 20:54
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
_	25	yutaka near k	USPAT;	2004/06/25 20:56
		<u> </u>	US-PGPUB;	=====================================
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	930	kaneko near y	USPĀT;	2004/06/25 20:56
			US-PGPUB;	
		•	EPO; JPO;	
			DERWENT;	
	0.7	kanoko noar u and convected	IBM TDB	2004/06/25 20:50
	97	kaneko near y and correct\$4	USPAT;	2004/06/25 20:56
			US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM TDB	
L	L			L

-	8	kaneko near y and shading	USPAT;	2004/06/25 21:45
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	17002	roller with round	USPAT;	2004/06/25 21:45
			US-PGPUB;	
			EPO; JPO;	
ļ			DERWENT;	
			IBM_TDB	
-	867	roller with round with (document or sheet)	USPAT;	2004/06/25 21:45
1			US-PGPUB;	
			EPO; JPO;	
		·	DERWENT;	
			IBM TDB	1
-	0	roller with round with (document or sheet)	USPAT;	2004/06/25 21:46
		with shad\$4	US-PGPUB;	
			EPO; JPO;	
}			DERWENT;	1
			IBM_TDB	
-	5	roller with circumference with (document	USPAT;	2004/06/25 21:57
		or sheet) with shad\$4	US-PGPUB;	l i
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	1
-	2	6456324.pn.	USPAT;	2004/06/25 21:57
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	